



1997 UMC

MECHANICAL CODE AMENDMENTS

Ordinance No. 3097

effective March 20, 1998

**PLANNING & DEVELOPMENT
SERVICES DEPARTMENT**

ORDINANCE NO. 3097

AN ORDINANCE OF THE COUNCIL OF THE CITY OF SCOTTSDALE, MARICOPA COUNTY, ARIZONA, AMENDING CHAPTER 31, ARTICLE VI OF THE SCOTTSDALE REVISED CODE, RELATING TO THE MECHANICAL CODE, ADOPTING THE 1997 EDITION OF THE UNIFORM MECHANICAL CODE, INCLUDING APPENDICES, AND ADOPTING REVISIONS THERETO.

BE IT ORDAINED by the Mayor and Council of the City of Scottsdale, Arizona, as follows:

Section 1. Section 31-151 of the Scottsdale Revised Code is hereby repealed and replaced by a new Section 31-151, which shall read as follows:

Sec. 31-151. Adoption.

The Uniform Mechanical Code, 1997 Edition, as published by the International Conference of Building Officials is adopted by reference and shall be the mechanical code of the city. Three (3) copies of same shall at all times remain in the office of the city clerk and be open to inspection. (Code 1972, s. 5-101(A), (B))

Charter reference-Adoption by reference, art. 7, s. 12.

State law reference-Adoption by reference, A.R.S. s. 9-801 et seq.

Section 2. Section 31-152 of the Scottsdale Revised Code is hereby repealed and replaced by a new Section 31-152, which shall read as follows:

Sec. 31-152. Amendments.

The 1997 edition of the Uniform Mechanical Code adopted by section 31-151 is amended in the following respects:

Section 115.2, Permit Fees, is amended to read:

"115.2 Permit Fees. The fee for each permit shall be as set forth in Table No. 1-A of the amended city building code."

Section 115.3, Plan Review Fees, is amended to read:

"115.3 Plan review fees. When a plan or other data are required to be submitted by subsection 113.2, a plan review fee shall be paid at the time of submitting plans and specifications for review. The plan review fees for mechanical work shall be as specified in Section 107.3, of the city building code, as amended.

'Where plans are incomplete or changed so as to require additional plan review, an additional plan review fee shall be charged at the rate shown in Table No. 1-A of the amended city building code.

Section 115.4, Expiration of Plan Review, is amended to read:

"115.4 Expiration of Plan Review. Applications for which no permit is issued within 180 days following the date of plan approval shall expire by limitation, and plans and other data submitted for review may thereafter be returned to the applicant or destroyed by the building official. The building official may extend the time for action by the applicant for a period not exceeding 180 days upon request by the applicant showing that circumstances beyond the control of the applicant have prevented action from being taken. To renew action on an application after expiration, the applicant shall resubmit plans and pay an additional minimum hourly plan review fee.

Table 1-A, Mechanical Permit Fees, is deleted.

Chapter 2, DEFINITIONS, Section 221 - S, SMOKE DETECTOR is amended to read:

"SMOKE DETECTOR is an approved listed and labeled device that senses visible or invisible particles of combustion."

Section 307.5, Paragraph 1, Item 1, Exception 2 is amended to read:

"2. Equipment may be accessed by a portable ladder on a building that does not exceed 16 feet (4880 mm) in height.

Section 309.4, a second paragraph is added to read:

No new or replacement evaporative cooling equipment shall be installed without a recirculating water pump system. It shall be unlawful to disconnect or bypass any evaporative cooling system recirculating water pump. A maximum of 1.5 gallons per hour per 1,000 cfm of bleed off water may be discharged to prevent the buildup of sediment.

Section 504.1, Environmental Air Ducts, is amended to read:

"Sec. 504.1 Makeup and Exhaust Air Ducts. Environmental air ducts not regulated by other provisions of this code shall comply with this section. Ducts shall be substantially airtight and shall comply with the provisions of Chapter 6. Exhaust ducts shall not extend into or through ducts or plenums. Exhaust ducts shall terminate outside the building and shall be equipped with back-draft dampers. Environmental air ducts which have an alternate function as part of an approved smoke-control system do not require design as Class I product-conveying ducts.

Section 504.3.1, Moisture-exhaust ducts. An exception is added to read:

"EXCEPTION: Moisture-exhaust ducts with adequately sealed, mechanically fastened joints and seams, may pass through ducts or plenums."

Section 504.3.2, Domestic Dryer Vents, is amended to read:

"504.3.2 Length Limitation. Unless otherwise permitted or required by the dryer manufacturer's installation instructions and approved by the building official, domestic dryer moisture exhaust ducts of a minimum 4 inch diameter shall not exceed a total combined horizontal and vertical length of 14 feet (4267 mm), including two 90-degree elbows. Two feet (610 mm) shall be deducted for each 90-degree elbow in excess of two.

"A 5 inch diameter exhaust duct overhead shall be limited to a total combined horizontal and vertical length of twenty-eight (28) feet, including two 90-degree elbows. Deduct six (6) feet for each additional 90-degree elbow

Section 507.6, Duct Enclosure. Add a second paragraph to read:

"In lieu of the required shaft enclosure construction, where the ducts pass only through an attic space, the fire-resistive assembly may be limited to the installation of the total thickness of fire-resistive material applied on the duct side of the shaft enclosure."

Section 603.4, Support of Ducts, Add a fourth paragraph to read:

"Registers, diffusers and grilles shall be mechanically fastened to rigid supports or structural members on at least two opposite sides in addition to being connected to the ductwork they serve."

Section 608, Shutoff for Smoke Control. add exception 5 to read:

"5. Evaporative Coolers which supply 100% outside air."

702.1 Location. The top edge of one opening shall be located within the upper 12 inches (304 mm) of the enclosure and the bottom edge of the second opening shall be located within the lower 12 inches (304 mm) of the enclosure.

Add a second sentence to Footnote 1 of Table No. 7-A:

"¹ For location of openings see Section 702. The minimum free area of the upper and lower combustion air openings shall be not less than 50 square inches each.

Section 901.2, provision 2 is amended to read:

2. The fireplace shall be equipped with a damper, permanently blocked open at least one (1) inch or provided with a three (3) inch diameter hole to prevent spillage of combustion products into the room.

Chapter 12, Section 1201.1.1.1 is amended to read:

1201.1.1.1 Pipe. Pipe shall be brass, copper, cast iron, galvanized or black wrought iron, galvanized or black steel or other approved materials. PVC schedules 40 and 80 may be used for closed chilled water or condenser water systems when designed by a mechanical engineer to function with the equipment manufacturer's requirements, and where the building code allows combustible construction.

Chapter 12, Section 1202 is deleted in it's entirety.